

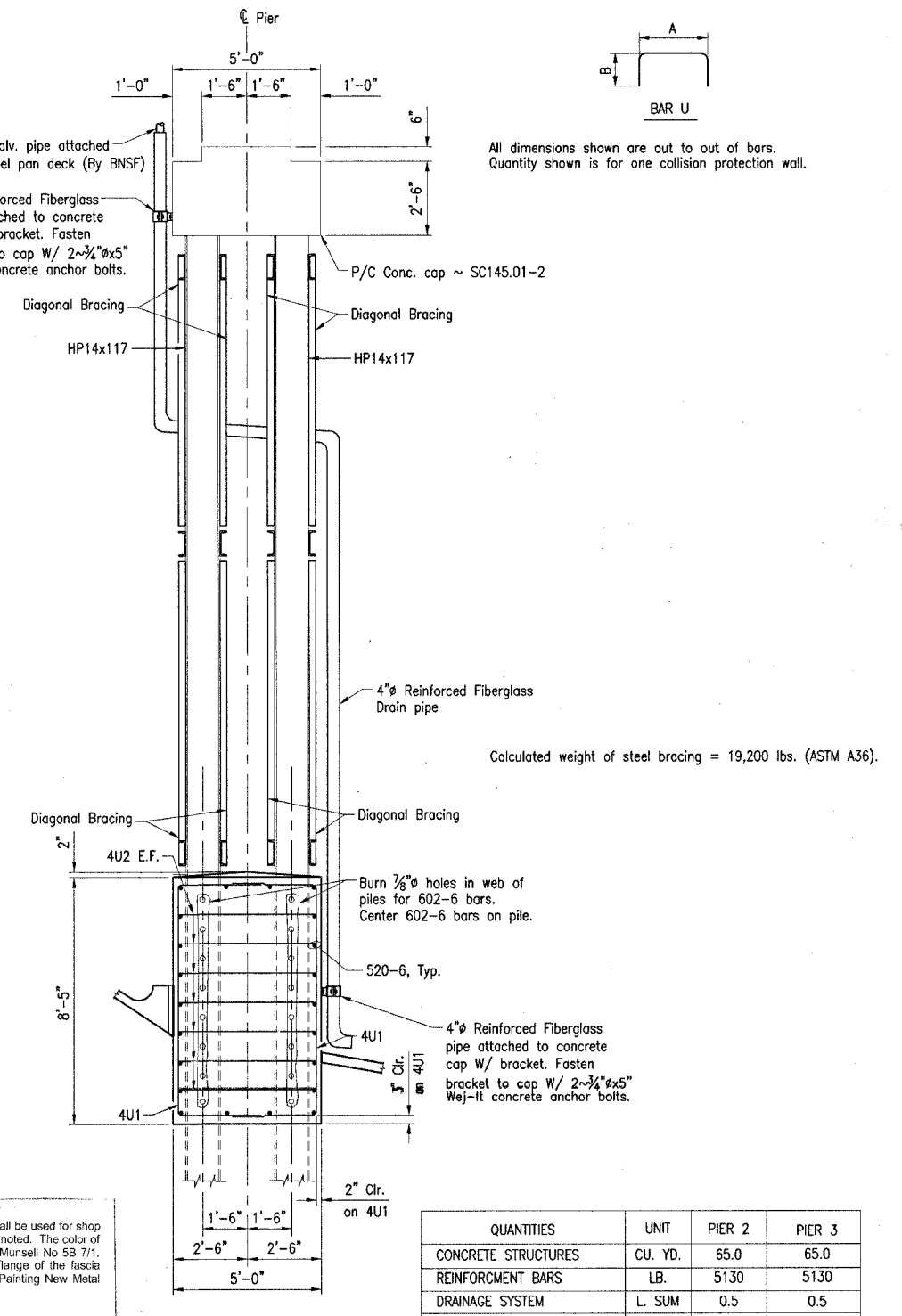
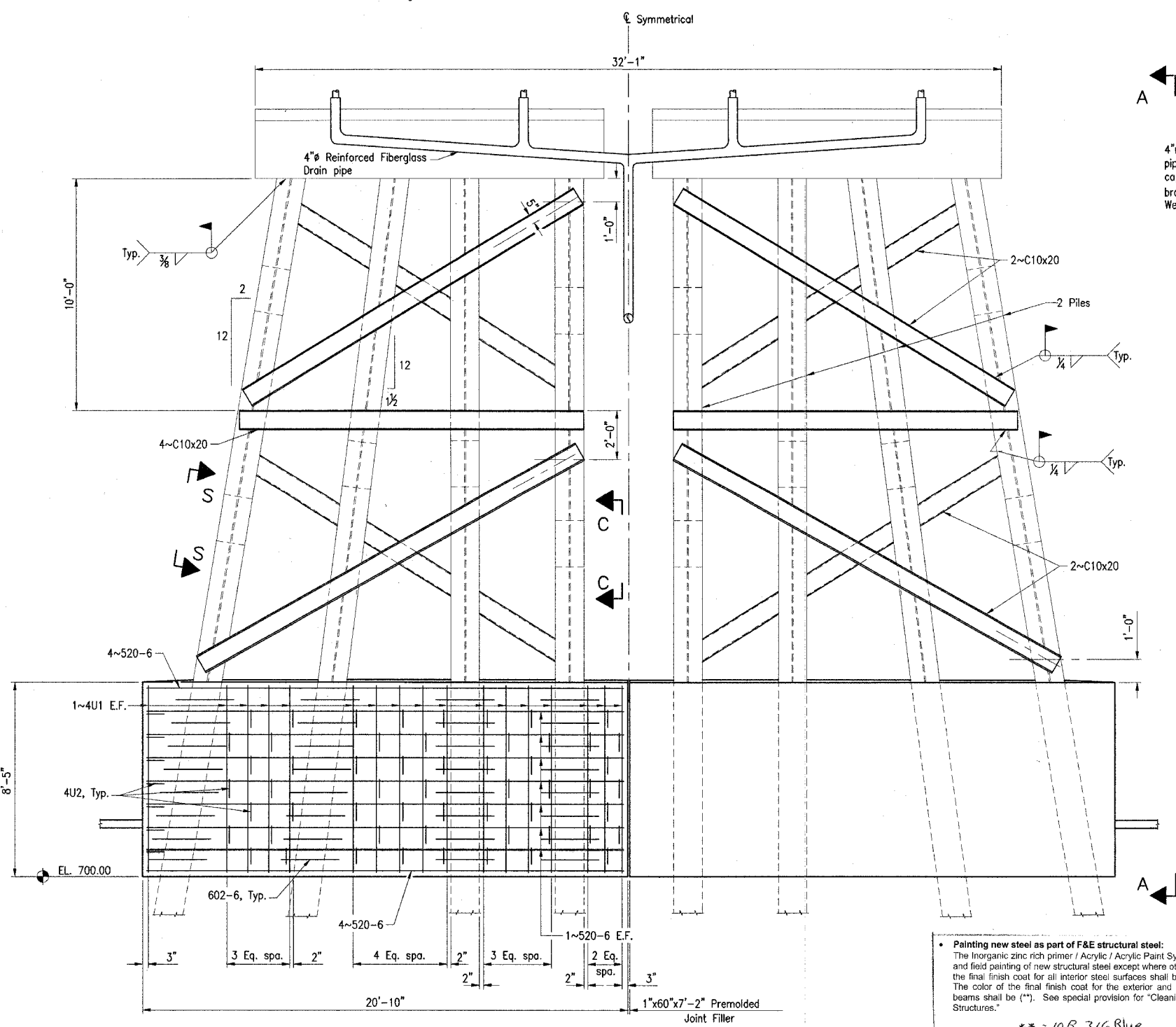
CONSTRUCTION NOTES

- The BNSF Railway Company (BNSF) will be responsible for the furnishing and installation of the main bridge elements prior to excavation for the roadway. These elements include the piles, pile caps, abutment wingwalls, and all superstructure elements. BNSF will also fill the arch with CLSM prior to driving piles.
- BNSF will also supply to the Contractor the material required for the pile bracing including the C10x20 channels and the B101 brackets. This material will be installed by the roadway Contractor after the roadway excavation has been completed and as detailed in the plans. This work will be paid for on a Lump Sum basis as Erecting Structural Steel.
- The roadway Contractor will furnish all materials required for the construction of the concrete slope paving, crashwalls at pier 2 & 3, Drainage System, and Cleaning and Painting of piles and bracing. These materials shall be installed by the roadway Contractor. Concrete for crashwalls shall be Class SI material.

REINFORCING STEEL DETAILS

LIST OF REINFORCING BARS - CRASHWALLS

QUANT.	MARK	SIZE	TYPE	A	B	LENGTH
68	4U1	4	U	8'-1"	3'-3"	14'-7"
108	4U2	4	U	4'-8"	1'-0"	6'-8"
44	520-6	5	STR.	-	-	20'-6"
128	602-6	6	STR.	-	-	2'-6"



All dimensions shown are out to out of bars.
Quantity shown is for one collision protection wall.

Calculated weight of steel bracing = 19,200 lbs. (ASTM A36).

Painting new steel as part of F&E structural steel:
The inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be (**). See special provision for "Cleaning and Painting New Metal Structures."
** = 10B 3/16 Blue

QUANTITIES	UNIT	PIER 2	PIER 3
CONCRETE STRUCTURES	CU. YD.	65.0	65.0
REINFORCEMENT BARS	LB.	5130	5130
DRAINAGE SYSTEM	L. SUM	0.5	0.5
ERECTING STRUCTURAL STEEL	L. SUM	0.5	0.5
STRUCTURE EXCAVATION	CU. YD.	53.4	46.3
CLEANING AND PAINTING NEW METAL STRUCTURE	L. SUM	0.5	0.5

DEC 17, 2004 9:27 AM RLA
 I:\98-JOB\98PDR\98PHASE2\CRASHWALL & SLOPEWALL DETAILS\CRASHWALL.DWG

REVISION
 DATE
 PEORIA COUNTY
 HANSON
 Hanson Professional Services Inc.
 2900 W. Willow Knolls Road
 Peoria, Illinois 61614-1129
 RELOCATION OF COUNTY HIGHWAY R40
 PEORIA COUNTY
 COUNTY HIGHWAY R40 UNDER BNSF R.R.
 13
 13 of 21 sheets

Hanson No. 98P008A	CRASHWALL.DWG	06/22/04
Drawn	NONE	06/22/04
Checked	MAF	08/06/04
Reviewed	MAF	08/06/04

Phone: (309) 691-0902
 Fax: (309) 691-1327
 www.hanson-inc.com
 Offices Nationwide